

Töpfer, W.  
THE PROBLEM OF WEIGHING MOVING VEHICLES  
ON A GRADIENT. [1961].  
Order from BISI 4

BISI 1945

Trans. of E[isenbahntechnische] R[undschau] (West  
Germany) 1959, Sonderausgabe 11, Sep, p. 73-78.

(Machinery--Transport, TT, v. 5, no. 6)

61-12565

- I. Vehicles--Measurement
- I. Töpfer, W.
- II. BISI-1945
- III. British Iron and Steel  
Industry Translation  
Service

Office of Technical Services

Consumer Credits and Savings Deposits [Yugoslavia],  
by P. Topic.

CROATIAN, per, Finansije, Belgrade, Jul 1959,  
pp 449-454.

FDD Sum 2370

EEur - Yugoslavia

Econ

Oct 59

99,408

Effect of Electroslag Remelting of High Alloyed  
Steel and Alloys on the Removal of Nonmetallic  
Inclusions, by M. M. Klyuyev, V. V. Topilin,  
14 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metall  
No 1, 1962, pp 78-89. 9578945

FTD-TT-62-1249

Sci-Min/Metals  
Dec 62

219,368

ELECTROSLAB MELTING OF HEAT-RESISTENT STAINLESS  
STEELS, BY V. V. DOPALIN, N. N. KLYWREY, ET AL.,  
13 PP.

RUSSIAN, FIZ. STEK., NO 9, 1963, PP 805-809.

FIZ 21912

SCI-MAT & MET  
NOV 63

242,297

V  
New Technique in Chemical Protection of Yield,  
by F. Topil'skiy, E. Malova.

RUSSIAN, semino per, Tekhnosovety MTS, Vol XV, Dec 1954,  
No 24, pp 1-14. CIA D 507509

USDA

USER  
Economic - Agriculture

36,189

Jun 56 CTS/dex

NON-STOP INTERVIEW OF SUBJECT IN 1963  
FOR THE PROSECUTION OF CAPTAIN, BY L. P.  
TOMLIN, AL. T. MURPHY, 3 PP.

RECEIVED FOR PROSECUTION STENOGRAPHIC, NO. 2  
1963, PP. 10-12.

JPG 1963

1963  
JUL 63

135.176

Ultra-Violet Investigations Concerning the C-O and  
the C-N Chromophore, by J. Schurz, E. Treiber, and  
H. Toplak, 7 pp.

GERMAN, E. per, Z. Elektrochem, Vol 60, No 1,  
1956, pp 67-70.

SIA TR 57-1788

Sci

65,778

The Application of the Indirect Fluorescent Antibody  
Method to Detect Rabies Virus, by K. A. Topleninova,  
4 pp.

RUSSIAN, per, Voprosy Virusolog, Vol VI, No 2, 1961,  
pp 174-177.

PP

Sci

Aug 62

206,099



(DC-6633)

Use of the Indirect Method of Fluorescent Antibodies in the Diagnosis of Lymphocytic Choriomeningitis, by P. I. Remezov, K. A. Topleninova, 11 pp.

RUSSIAN, per, Veterinariya, Vol XXXVIII, No 9, 1960, pp 84-85.

6

JPRS 12875

Sci - Med  
Mar 62

189,642

|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <p>Toplitz, Otto.<br/>THE CALCULUS: A GENETIC APPROACH, tr. by<br/>Luise Lange. 1963, 192p.<br/>Order from University of Chicago Press, 5750 Ellis<br/>Ave., Chicago 37, Ill., \$6.50</p> <p>Trans. of unidentified German language mono., n.p.,<br/>n.d.</p> <p>DESCRIPTORS: Mathematics, *Calculus</p> <p>(Mathematics, TT, v. 9, no. 12)</p> | <p>63-17244</p> <p>I. Toplitz, O.<br/>II. Chicago U. Press, Ill.</p> <p>4040261</p> <p>Office of Technical Services</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|

Preliminary Data on Psychoses Originated Under the Effect of Cycloserine, by J. Petrova, G. Topolova, 9 pp. 16  
Czechoslovakia, *Contributions to Psychiatry*, Vol LIX,  
No 1, 1965, pp 20-21. 9091610  
PTD-TT-34-58

Sci - Biol & Med Sci  
Jan 65

270,468

(NY-6244)

Czechoslovak Studies of the Relation Between  
the Sex Chromatin and Hormone Treatment of  
Carcinoma of the Breast, by O. Topol, V.  
Bergstein, M. Linka, 10 pp. OFFICIAL USE ONLY

CZECH, per, Ceskoslovenska Rentgenologie,  
Vol XV, No 1, Feb 1961, pp 17-23.

JPRS 10112

Sci. - Med

171, 118

Oct 61

Let's Expand our Ideological Offensive, by D.  
Topolska - B. Svorenova, 6 pp

CZECHOSLOVAKIAN, no per, Predvoj , No 2,  
Bratislava, Jan 58, pp-1-2

US JPRS/DC-173  
CSO DC-50/10

EEur - Czech

Pol

Jun 58

64, 717

More Machines for Construction, by Fryderyk Topolinski.  
(Hk Econ Rpt on HRur, 249)

POLISH, per, Przegląd Budowlany, Warsaw, Mar 1959,  
pp 113-115.

CIA/FED Sum 2193

HRur - Poland  
Econ  
May 59

86,796

Data on Immunization Against Grippe With Zhdanov  
Living Vaccine, by S. I. Topolyanskaya, M. S. Lev,  
E. I. Lurina, A. A. Berenshtein, M. A. Gerasimov,  
3 pp.

RUSSIAN, no per, Zhur Mikrobiol Epidemiol i  
Immunobiol, No 9, 1954, pp 16-20.

NIH

Sci . Medicine  
Jan 1957, CTS/dex

43, 220

51750R-6-4

Electron Loss and Capture in Collisions Between  
Fast Hydrogen Atoms and Molecules of Gases, by  
Ya. M. Fogel, V. A. Ankudinov, D. V. Phillipsko,  
N. V. Topolia, 10 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIV,  
No 3, 1958, pp 579-592.

Amer Inst of Phys  
Sov Phys - JETP  
Vol VII (34), No 3

Sci - Physics

Oct 58

75,486



The Significance of Larval Food in the Etiology  
of American and European Foulbrood of the  
Honeybee, by S. Matuka, E. Topolnik, 5 pp.

SERBO-CROATIAN, per, Veterinarski Arhiv, Vol XXII,  
No 3-4, 1952, pp 151-156. 9086736

OTS 60-21682  
PL-480

199,456

Sci - Med

Jun 62

The Culture of B. Larvae on a Medium Containing  
Thiamine, by S. Matuka, K. Topolnik, 3 pp.

SERBO-CROATIAN, par, Veterinarski Arhiv, Vol XXII,  
N No 9-10, 1952, pp 375-377. 9086736

OTS 60-21682<sup>4</sup>  
FL-480

199,458

Sci - Med

Jun 62

(DD 20357)

Incorrectness of the Logarithmic Law Governing the  
Variation of Air Temperature With Altitude, by  
V. M. Topol'nitskiy, 6 pp.

Full translation.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Ser Geograf i  
Kosmich. Vol XIII, No 1, Moscow, Jan/Feb 1949, pp  
12-13.

CIA/PDD/U-5593

10,313

REF - Geophysics, air temperature vs altitude

(NY-8333)

f  
Work of the Institute of Virology of the  
Czechoslovak Academy of Sciences, by Drahotina  
Topolska, 7 pp.

CZECH, per, Predvoj, Vol. IV, No 24, 9 Jun 1960,  
pp 4-5.

JPRS 9822

XREF

EHar - Czechoslovak

Pol

Aug 61

16 3,080

6-D

The Debate of Socialist Morale: Their Way of Living,  
by Maria Topolaka, 5 pp.

CERCH, par, Predvoj, No 38, Bratislava, 18 Sep  
1958, p 11.

US JPRS L-1424-D

Kur - Czech  
Soc  
Jan 59

79,511

CRITICISM OF DESIGN BUREAU OPERATION IN THE  
UZBEK SSR, BY G. VINDUKUROV, YU. TOPOL'SKIY,  
6 PP.

RUSSIAN, PER, NARODNOYE KHOZYAYSTVO UZBEKISTANA,  
NOV 1962, PP 63-67.

JPRS 17572

USSR  
ECON  
FEB 63

221,670

Magnetic Moment of Plasoids. by K. D. Sina'nikov.  
B. G. Sazonov, N. V. Topolya, 10 pp.

RUSSIAN, bk. O Magnitnom Momente Plazmennyykh  
Sgustkov. 1960. 9094427

AEC Tr-4725

Sci. - Phys.  
Dec 61

176,824

51  
Riemannian Spaces Having Their Curvature  
Bounded Below by a Positive Number, by  
Y. A. Izumakov, 48 pp.  
SUKHIAN, par. English Mathematical Monographs, Vol XIV,  
1959, No 1, 1959, pp 87-134.  
Amer Math Soc

Sci - Math & Data Proc  
Jan 64

241,828



On Reconstructing the Energy Gap in a Superconductor  
From Measurements of Sound Attenuation, by V. L.  
Pokrovskiy, V. A. Toponogov, 4 pp.

RUSSIAN, per, Zhur Eksp. i Teoret. Fiz., Vol. XL,  
No. 4, 1961, pp. 1112-1114.

Internat'l Physical Index  
Physics Express  
Vol. IV, No. 2

Sci. - Phys.

Feb 62

184,427

Reconstruction of the Energy Gap in a Superconductor  
by Measurement of Sound Attenuation, by V. L.  
Pokrovskiy, V. A. Toponogov 2 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XL, No 4,  
1961, pp 1112-1114.

AIP  
Sov Phys - JETP  
Vol XIII, No 4

169, 491

Sci  
Sep 61

~~XXXXXXXXXX~~  
The Determination of the Transference Numbers  
for Fused Thallium (I)-Nitrate, by I. G.  
Margulescu, D. Topor.

GERMAN, Der, Zeitschrift fuer Physikalische  
Chemie, Vol. CCXIX, Nos 1-2, May 12, 1961,  
pp 134-139. 9205007

AEC-Tr-5570

Sci - Chem

Apr 63

~~226,589~~  
226,859

4  
The Need for Air Transport and the Role of This Mode of  
Transportation in the Transportation System, by  
Marius Teodorescu, Gheorghe Topor, 18 pp.  
RUMANIAN, per, Revista Transporturilor, Vol X, No 12,  
1963, pp 552-561.  
JPRS 23865

EE-Romania  
Econ  
Mar 64

253, 072

Specualr Reflection from a Rough Surface, A.S. Toporet  
5 pp.

RUSSIAN, per, Optika i Spektro, Vol XVI, No 1,  
1964, pp 102-111.

Optikcal Soc of Amer

Sci

May 64

258,394

(NY-2700)

INTENSIFICATION OF AGRICULTURAL PRODUCTION UNDER  
CONDITIONS OF SOCIALIST AGRICULTURAL REORGANIZA-  
TION, BY V. V. TOPOR, 13 PP.

RUMANIAN, PER, REVISTA DE STATISTICA, VOL XI,  
NO 5, 1962, PP 26-34.

JPRS 14778

EEUR - RUMANIA  
ECON  
AUG 62

206,331

and in the Socialization of Agriculture, by V. ...  
Report: (H: Econ Rpt on USSR, 250)

ABRAHAM, DAN, Problems Economics, Vol. III, No. 1,  
Washington, Mar 1959, pp 63-78.

CIA/TSB Dec 1958

USSR - Russia

Econ.

Mar 59

88,497

Enlarged Socialist Reproduction on Collective Farms,  
by V. V. Topor, D. Dumitriu. (Wk Econ Rpt on EUR,  
245)

ROMANIA, per, Problems Economics, Vol XII, No 2,  
Bucharest, Feb 1959, pp 34-48.

CIA/VID Sum 2163

EUR - Rumania

Econ

Apr 59

85,843



R-3522

(NO COPY)

Creation and Development of the Technical-Horticulture  
State of Socialist Agriculture, by E. Alina,  
U. V. Todor, 4 pp.

ROMANIA, bk, Economia Rominei Intre Anii  
1944-1959, Bucharest, 1959, pp 385-389.

JPRS 3526

HEAR - Romania

Hear - Agriculture and Forestry

Aug 60

102, TT3

Absorption and Scattering of Light in Pigments,  
by A. S. Toporets, 14 pp.

RUSSIAN, per, Optika i Spektroskopiya, Vol IV,  
No 4, 1958, pp 494-500.

CIA/FDD IX-679

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics

Sep 59

USIB INTERNAL USE ONLY

98,061

Luminescence Spectra of Phosphors Activated with Silver, <sup>R</sup>  
A. S. Toporets, UNCLASSIFIED 9 pp.  $\equiv$

UKRAINIAN, per, Fizichni Zapiski (Memoires de Physique),  
Vol VIII, No 2, pp 161 - 165, 1940.

Navy Tr 426/NRL 359

Sci - Physics

Oct 1951 CTS

Sci Tr Cont  
RT 1441

A12116

Investigation of Diffuse Reflection by Means of  
Polarized Light, I., by A. P. Ivanov, A. S.  
Toporets, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 3, Mar  
1956, pp 623-630.

Amer Inst of Phys  
Soviet Phys-Tech Phys  
Vol I, No 3

Sci - Physics  
Aug 57

51, 779

an Integrating Sphere Attachment to the Spectrophotometer for Measurement of Diffuse Reflection and Transmission Coefficients,  
by A. G. Toporets, 3 pp.

RUSSIAN, per, Optikal Spektro, Vol. X, No 4,  
1961, pp 420-532.

OBA

531

166, 269

Sci.

Aug 61

Study of Diffuse Reflection From Powders Under  
Diffuse Illumination, by A. S. Toporets, 3 pp.

RUSSIAN, per, Optika i Spektro, Vol VII, No 6,  
1959, pp 803-807.

OSIA

Sci

Apr 61

149,778

Investigation of Diffuse Reflection by Means of  
Polarized Light, II., by A. P. Ivanov, A. S.  
Toporets, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 3, Mar  
1956, pp 631-635.

Amer Inst of Phys  
Soviet Phys-Tech Phys  
Vol I, No 3

Sci - Physics  
Aug 57

51,780

Determination of the True Absorption Spectrum of  
Light-Dispersing Colored Objects From Their Diffuse  
Reflection Spectrum, by O. P. Girin, Z. V. Zhidkova,  
B. I. Stepanov, A. P. Ivanov, A. S. Toporets, 1 p.

RUSSIAN, bino per, Iz Ak Nauk USSR, Ser Fiz,  
Vol XVIII, No 6, 1954, pp 728. CIA C 40664

Columbia Tech Tr

Scientific - Physics 31,739 Feb 56 CTS/DEX



A Method of Studying the Electrical Properties of  
Fossil Coals, by S. A. Toporets, 5 pp.

RUSSIAN, per, IZ AK Nauk SSSR, Ser Geofiz, No 4,  
1961, pp 588-594.

AGU

170,308

Sci

Oct 61

Effect of the Mineralogical Composition of  
Mineral Admixtures on the Electrical Conductivity  
of Coal, by S. A. Toporets, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXII, No 2,  
pp 286-290, 1958,

Consultants Bureau

Sci

Jan 60

104, 770

The Relationship Between Electrical Conductivity  
and Pressure in the Constituents of the Suchan  
Coal Beds, by S. A. Toporets, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXX, No 3,  
1958, pp 629--.

Consultants Bureau

Sci - Geophys

96,606

ELECTRICAL CONDUCTIVITY OF THE CONSTITUENTS OF  
THE SUCHAN COAL, by B. A. Toporova, 4 pp.

RUSSIAN, DOE, DOE AK BANK 8888, Vol CXVIII, No 1,  
1958, 1977.

Consulting Bureau

Sci - Geophys

Jan 59

79,977

Specific Heat of Iron Ores and Sintors, by  
S. G. Bratchikov, G. A. Toporishchey.

RUSSIAN, per, Iz Vysshikh Ucheb ~~AZaved~~ ~~Skazaniy~~  
Chernaya Metallurgiya, Vol V, No 6, 1962,  
pp 16-20.

BISI 3424

Sci - M/M  
Jan 64

246, 376

The Conference held regularly by the Chief of the  
Soviet Communications Administration, by N.A. Izhin,  
V.A. Toporov, Tpp

RUSSIAN, per, Vostok Svyazi, No 10, 1968, pp 20-21.

JPRS 20699

101  
701 01

246, 920

For CTS and DEX

Toporkov, L., "Ulugbek, The City of the Peaceful  
Atom.

Pravda Vostoka, 12 Feb 61, p 4.

To be published in JPRS NY-3000  
Soviet Precision Equipment (7)

(NY-3000)

Ulugbek -- City of the Peaceful Atom, by L.  
Toporkov, 5 pp.

RUSSIAN, ny, Pravda Vostoka, 12 Feb 1961, p 4

JPRS 10024

USSR

Econ

Sep 61

168,018



81

Is It Possible to Remove the Ice Cover of the Northern  
Arctic Ocean, by L. G. Thompson, 10 pp.

RUSSIAN, per, February 11, pp 95-97. 9404166

Amer. Meteorol. Soc. [461, v. 50]

T-1-64-23

CASTI AD 64038

Sci - 23

Mar 65

275,877

Prognostic Significance of Minor Neuroses: Enuresis  
Nocturna, Stuttering, Tic Convulsif, ~~Enx~~, by  
N. N. Toporkov and A. A. Kazakova, 8 pp

RUSSIAN. per Zhur. Nevrolog. Psikiat. Vol  
XX, 1927, pp 637-632

Sci-Medicine  
Mar 58

SLA R-1103

61, 633

Magnetic Roasting of Lisakovka Ores in a  
'pseudo-fluidized' bed, by V. V. Chukin, V. Ya.  
Miller, S. D. Toporkov, V. G. Karelin, et al,  
5 pp.

RUSSIAN, per, Stal, No 11, 1960, pp 966-972.

BISI

Sci

Apr 61

145,399

Use of Different Coagulants for Clarifying the  
Slurry Liquors From Coal-Cleaning Plants, by V. Ye.  
Toporkov, G. F. Voznyy, P. I. Tankovskiy, 4 pp.

RUSSIAN, per, Koks i Khim, No 10, 1960, pp 3-6.

CTRA

Sci -  
Apr 61

147,612

Methods of Investigating the Frictional Properties of  
Polymers under Strong Unidirectional Compression, by  
B. V. Deryagin, Yu. P. Toporov. 4 pp.

RUSSIAN, per Kolloid Zhur,  
Vol. XIII, No. 1, 1961, pp. 118-121

CB

193, 935

Sci

Mar 62

Toporkova, I. B.  
VITAMIN C BALANCE IN CONNECTION WITH  
CHRONIC EXPOSURE OF TOBACCO INDUSTRIAL  
WORKERS TO TOBACCO DUST. [1962] 18p.  
Order from K-H 522.50 K-H-10281-1

Trans. of Sanitaro-Gigienicheski Meditsinski Institut.  
Trudy (USSR) 1959, v. 47, p. 1693-1705.

DESCRIPTORS: \*Ascorbic acid, \*Tobacco, Toxicity,  
\*Industrial medicine, \*Atmospheric pollution

(Biological Sciences--Toxicology, TT, v. 9, no. 4)

62-17653

- I. Toporkova, I. B.
- II. K-H-10281-1
- III. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

C227698

Office of Technical Services

Influence of Vibratory Milling on the Reinforcing  
Properties of Carbon Black, by A. S. Fialkov,  
I. V. Tenkin, V. P. Toporova, 4 pp.

RUSSIAN, per, Kolloid Zhur, Vol. XXII, No 2, 1960,  
pp 229-232.

CB

Sci

May 61

153, 318

(NY-5209)

"The Telegraph-Office Equipment Attendant", by  
Yu. A. Toporov, V. V. Noikov, 3 pp.

RUSSIAN, per, Vestnik Svyazi, No 6, 1956.

JPRS 7065

Sci

Aug 61

161,959



Toporov, Yu. P.  
ON THE QUESTION OF THE INFLUENCE EX-  
ERTED BY HUMIDITY ON THE EXTERNAL FRIC-  
TION OF SOLIDS (K Voprosu o Vliyani Vlazhnosti na  
Vneshneye Treniye Tverdykh Tel). Jan 61 [9]p.  
19 refs. RTS 1654.

Order from LC or SLA ml\$1.80, ph\$1.80      61-15397

Trans. of Inzhenerno-Fizicheskiy Zhurnal (USSR)  
1960, v. 3, no. 4, p. 44-48.

A description is given of the technique and the results  
of an investigation into the influence exerted by the  
humidity of the surrounding atmosphere on external  
static friction when there is a layer of highly disperse  
substances between the contact surfaces. (Author)

(Mechanics, IT, v. 5, no. 7)

61-15397

1. Solids--Surface properties
2. Solids--Moisture factors
3. Friction--Moisture factors

1. Toporov, Yu. P.

II. RTS-1654

III. Department of Scientific  
and Industrial Research  
(Gt. Brit.)

Office of Technical Services

Production of Slow  $\pi^+$ -Mesons in Photographic  
Emulsion Nuclei by 460 MEV Protons and Neutrons of 400  
MEV Effective Energy, by V. V. Alpers, L. M.  
Barkov, R. I. Garasimova, I. I. Gurevich, K. N.  
Mukin, B. A. Nikol'ski, E. P. Toporkova, 6 pp.

RUSSIAN, no par, Zhur Eksper i Teoret Fiz, Vol XXX,  
No 6, 1956, pp 1025-1033.

Amer Inst of Physics  
Soviet Physics, JETP  
Vol III, No 6

Sci - Physics  
Apr 57 CRS

46, 744

The Status of Vitamin C Metabolism in Connection With  
the Chronic Exposure of Workers in the Tobacco Industry  
to Tobacco Dust, by . D. Toporkov, 19 pp.

RUSSIAN, bk, Sostoyaniye C-Vitaminnogo Obmena v Svyazi  
s Khronicheskim Voeyazhivaniem Tabachnoi Pyli u Rabochikh  
Tabachnoi Promyshlennosti.

FDD X-4670

Sci - Med  
Pub. 51

159, 171

62-15334

Toporkova, I. B.  
THE STATUS OF VITAMIN C METABOLISM IN  
CONNECTION WITH THE CHRONIC EXPOSURE OF  
WORKERS IN THE TOBACCO INDUSTRY TO TO-  
BACCO DUST. [1961] 19p. 26 refs.  
Order from OTS or SLA \$1.60

62-15334

Trans. of Gigienicheskii Meditsinskii  
Institut. Trudy (USSR) 1959, v. 47, p. 243-253.

DESCRIPTORS: \*Ascorbic acid, Metabolism \*Person-  
nel, Exposure, \*Tobacco, Industry, Vitamins.

Tobacco dust influences the vitamin C balance of  
workers handling tobacco. The urine of a majority of  
tobacco workers in a tobacco factory showed, even in  
the month of October (the period of optimal organism  
vitamin C content in the Leningrad area), a low con-  
tent of ascorbic acid, with a further decrease of this  
toward spring, in which the greatest downward shift  
(Biological Sciences--Pathology, TT, v. 7, no. 12(over))

I. Toporkova, I. B.

205302

Office of Technical Services

Second-Order Respiratory Conditioned Reflexes  
in Cats, by L. A. Toporkova, 3 pp.

RUSSIAN, per, Byul Ekspier Biol i Med, Vol XLVII,  
No 2, 1959, pp 14-16.

Consultants Bureau

Sci  
Sep 59

95, 6/3

Some Features of Respiratory Trace CConditioned  
Reflexes in Cats, by L. A. Toporkova, 6 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel imeni  
I. P. Pavlova, Vol XI, No 3, 1961, pp 522-526.

PP

Sci

Jun 62

193,962

Conditioned Respiratory Reflexes in Cats, by L. A.  
Toporkova, 5 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIII,  
No 4, 1957, pp 10-13.

Consultants Bureau

Sci - Med

May 58

64,421

Physicochemical Study of Systems Containing  
Diphenylamine, II, V. V. Ulovenko,  
K. P. Topornina, 7 pp.

RUSSIAN, per Zhur Obshch Khim.  
Vol. XXXI, No.1, 1961, pp. ~~2~~ 3-8.

CB

Sol.

192, 283

Mar 62



Physicochemical Study of Systems With  
Diphenylamine. I.; by V. V. Ulovenko, K. P.  
Topornina, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 10,  
1959, pp 3189-3193.

CB

Sci

Oct 60

130,585

(NY-OSF(O)

3

Surgical Anatomy of Pericardial Channels and Sinuses  
by G. N. Toporov, 7 pp.

RUSSIAN, per, Vest Khirurgii imeni I. I. Grekov,  
Vol LXXVI, No 3, 1961, pp 44-48.

JPRS 9574

/60,031

Sci - Med  
Jul 61

Military Physicians N. I. Kashin and Ye.  
V. Bek - First Investigators of Urov  
Disease in Transbaikai, by P. F. Stepanov,  
G. N. Toporov

RUSSIAN, no per, Voenno Med Zhur, No 4,  
Moscow, Apr 1959, pp 87-89

USSR

Med

Sci-Med

June 59

US JPRS 1736-N

92,951

(DC-3901/17).

On the Introduction of Probability Into Linguistics,  
by V. N. Toporov, 10 pp.

RUSSIAN, per, Voprosy Yazykoznaninya, No 6, 1959,  
pp 28-35.

JPRS 3300

Sci - Misc  
May 60

117,490

The Reaction of Certain Sulfides with Sulfur  
Dioxide and Sulfates, by N. P. Dyev, V. V.  
Faduchey, V. V. Toporova, N. F. Uspenskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4,  
1958, pp 782-784.

Consultants Bureau

Sci. - Chem

Jun 59

88,665

Determining the Horizontal Displacements of Hydro-  
electric Installations, by V. I. Toporovskiy,  
3 pp.

RUSSIAN, par, Geodez i Kartog, No 3, 1959,  
pp 38-41.

AMU

Sci

Jul 61

167, 240

Technical Data and Description of the Russian  
Expedition Ships Participating in the International  
Geophysical Year Program: A. Otkupshchikov,  
Topseda, 3 pp.

RUSSIAN, USSR World Data Center Institute of  
Aeroclimatology, 1961, 2 pp.

Navy Tr 3055/RO 136-A

Sci - Geophys

Apr 62

190,405

Thermodynamics of Compounds Formed by Tantalum,  
Niobium, Titanium, Zirconium, Hafnium, and Sluminum  
Chlorides With Alkali-Metal Chlorides, by L. S.  
Morozov, D. Ya. Toptygin, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11,  
1959, pp 1920-1927.

CB

Sci "  
May 61

153, 054



Application of Physicochemical Analysis to the  
Problem of Production of Titanium and Its Compounds  
by Chlorination, by D. Ya. Topogin, I. S. Morozov,  
12 pp

RUSSIAN, per, Zhur Prik Khim, Vol XXXIV, No 4, 1961,  
pp 713-724

CB

Sci.

Feb 62

186,899

The Solubility of Ferric Chloride and of its  
Melts with the Chlorides of Niobium, Aluminium  
and Sodium in Titanium Tetrachloride, by  
N. S. Morozov, D. Ya. Topygin, 10 p.

RUSSIAN, per, Zhur Neorg Khim, 1957, Vol II,  
No 9, pp 2129-2135.

SLA 59-18733

Sci  
Mar 60  
Vol 2, No 11

109,530

Investigation of Regularities of Stress Re-  
laxation, by G.F. Lopin, L.M. Toptunova. 31 pp.  
USSR, rpt. Trudy III. Vsesoyuznoy Nauchnoy  
Konferentsii. Relaksatsionnyye Yavleniya v  
Metallakh i Splavakh, 1963, pp 290-293.

PI00282367

FTI-47-43-262

*L.M. Toptunova*

Sci/Materials  
Nov 67

343,311

The Solubility of Ferric Chloride and Of Its  
Melts With the Chlorides of Niobium, Aluminium,  
and Sodium in Titanium Tetrachloride, by N. S.  
Morozov, D. Ya. Topygin. UNCL

RUSSIAN, per, Zhur Necrijan Khin, Vol II, No 9,  
1957, pp 2129-2135.

DSIR Lending Library Unit  
M. 103

801 - Chem  
Apr 59

86,725

The Reaction of Vanadium Chlorides With  
Titanium Tetrachloride and Carbon Tetrachloride,  
by N. S. Marozov, D. Ya. Topygin. URCL

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 11,  
1956, pp 2601-2605.

DSIR Lending Library Unit  
N. 104

Sci - Chem  
Apr 59

86,724

85  
Problems in Electrodynamics, by  
V. V. Batygin, I. N. Topolygin.  
RUSSIAN, bk. 1964.  
Academic Press

*Out*  
Sci-Phys  
May 66

*I. N. Topolygin*

101,177

On the Theory of Bremsstrahlung and Pair  
Production in a Medium, by I. N. Toptygin,

8 pp,

RUSSIAN, per, Zhur ~~Eksp~~ i Teoret Fiz,  
Vol XLVI, No 3, 1964, pp 851-862.

Amer Inst of Phys  
Soviet Phys - JETP  
Vol XIX, No 3,

Sci  
Oct 61

267,781

Relativistic Spherical Functions, II, by A. Z.  
Dolginov, I. N. Toptygin, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII,  
No 5 (11), 1959, pp 1441-1451.

Amer Inst of Phys  
Sov Phys-JETP  
Vol XXXVII (10), No 5

Sci

Jun 60

118, 285



Elastic Collisions between Fast Polarized  
Particles and Atoms, by V. V. Rytgin, I. M.  
Rytgin, 5 pp.

RUSSIAN, per, Zhur Ekaper i Teoret Fiz, Vol XXVII  
No 5 (11), 1959, pp 1372-1378.

Amer Inst of Phys  
Sov Phys-JETP  
Vol XXVII (10), No 1

Sci  
Jun 60

117, 819

Influence of Charge Distribution in the Nucleus on  
Angular Correlation in  $\beta$ -Decay, by A. Z. Polginov,  
I. M. Gontsagin, 9 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XII,  
No 12a, 1956, pp 1377-1386.

Columbia Tech

Sci - Physics  
Mar 58

59652

Multiple Scattering of Polarized Electrons, by  
I. N. Toptygin, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XXXVI(9), No 2, 1959, pp 488-498.

18  
Amer Inst of Phys  
Sov Phys - JETP

Sci - Phys

Sept 59

97,172

Determination of Water in Compounds by the Hydride  
Method, by G. H. Toptygina, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVI, No 2.  
1961, pp 201-204.

CB

200,761

Sci  
Apr 62

Compounds of Titanium Trichloride with Alkali  
Metal and Ammonium Chlorides, by I. S. Morozov,  
G. M. Topiygina, 3 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 11, 1961,  
pp 2528-2535.

Cleaver-Hume Press

Sci

Oct 62

213,217

Thermographic and X-Ray Diffraction Investigation  
of Compounds of Titanium Trichloride with  
Ammonium and Alkali-Metal Chlorides, by I. S.  
Morozov, G. M. Tontygina, 4 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 11, 1961,  
pp 2536-2544.

Cleaver-Hume Press

Sci

213,218

Oct 62

The  $\text{TiCl}_4\text{-HCl-H}_2\text{O}$  System at  $0^\circ$ , by G. M. Toptygina,  
I. S. Morozov, 3 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol VI, No 7,  
1961, pp 1685-1692.

Cleaver-Hume Press Ltd.

Sci  
23 Jul 62

204,246

Alkali-Metal and Ammonium Chlorotitanates and  
Oxo-chlorotitanates, by I. S. Morozov, G. M. Toptygina  
6 pp.

RUSSIAN per, Zhur Neorg Khim, Vol V, No <sup>11,</sup> ~~10~~, 1960,  
pp 2518-2529.

Cleaver-Hume Press

Sci

170,066

Sep 61



Investigation of Hydrochloric Acid Solutions of  
Titanium Tetrachloride, by I. S. Morozov, G. M.  
Topolova, 15 pp.

RUSSIAN, Izv. Zhur Neorgan Khim, Vol II, No 7,  
1957, pp 1629-1638.

AEC-tr-4057

Sci - Chemistry

Dec 60

FST 84.

134,106

69  
Problem of Using a Difference Method for Analyzing  
Turbine Stage Performance Under Variable Regime,  
by A. M. Topunov.  
RUSSIAN, pr. Sudostroeniye, No 12, 1963, pp 29-32.  
OT-47-23-738-68

A. M. Topunov  
Sci/Engr Contr  
Aug 63

THE DESIGN OF A STAGE WITH CONICAL RESTRICTING  
SURFACES, BY A. M. TOPUNOV, 13 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 12, 1961,  
PP 55-59. 9665937

FTD-TTE-62-665

SCI - ENGR

AUG 62

206,323

Theory of the Long-Blade Turbine Stage:  
the Radial Change of Parameters Before the  
Nozzle and Purely Axial Exit Flow ( $V_{2u} = 0$ )  
by A. M. Topunov.

RUSSIAN, par, Teploenergetika, Vol. VII,  
No 5, 1960, pp 27-32.

NLL M.4262

Sec - Phys

193, 929

Apr 62

Application of an Incremental Method to Analyze  
the Operation of Turbine Stages in Changing  
Regimes, by A. M. Topunov, Ye. V. Myachin,  
11 pp.

RUSSIAN, per, Sudostroyeniya, No 12, 1963,

pp 29-32.

AIR/FTD/TF-23-738-68

*A. M. Topunov*

Sci/Prop & Fuel  
Nov 69

393,539

PROBLEMS REGARDING THE IMPROVEMENT OF CONDITIONS  
FOR THE STRENGTH AND PERFORMANCE OF LONG  
BLADES IN TURBINES, BY A. N. TOPUNOV.

RUSSIAN, PER, SUDOSTROYENIE, NO 11, 1958,  
PP 29-34.

NLL RTS 1978

SCI - ENGR

JUN 62

XXXX199,900